

Listing of Claims:

Claim 1 (previously presented): A system for reporting on integrity of a wireless communication link within a healthcare facility comprising:

a module associated with a medication treatment application device, the module having a status information output responsive to a signal output generated by the medication treatment application device;

a wireless remote device within the healthcare facility having a message indicator responsive to the status information output transmitted over the wireless communication link and representative of the signal generated by the medication treatment application device; and

software installed on the wireless remote device, the software configured to report upon the integrity of the wireless communication link by:

- (i) sending a signal to the wireless communication link,
- (ii) waiting a predetermined amount of time for a response to the signal sent to the wireless communication link, and
- (iii) generating a time-out output that indicates loss of the wireless communication link when the response is not received within the predetermined amount of time.

Claim 2 (original): The system of claim 1 wherein the association between the module and the medication treatment application device results in at least some data within the status information output passing through the module.

Claim 3 (original): The system of claim 1 wherein the medication treatment application device is an infusion pump for administering an infusion to a patient.

Claim 4 (original): The system of claim 1 wherein the output generated by the medication treatment device includes data related to an alarm condition.

Claim 5 (original): The system of claim 1 wherein the output generated by the medication treatment device includes data related to an alert condition.

Claim 6 (original): The system of claim 1 wherein the output generated by the medication treatment device includes data related to an infusion volume rate.

Claim 7 (original): The system of claim 1 wherein the output generated by the medication treatment device includes data related to time remaining before an infusion bag is emptied.

Claim 8 (original): The system of claim 1 wherein the wireless remote device is a personal digital assistant.

Claim 9 (original): The system of claim 1 wherein the wireless communication link operates within a radio frequency.

Claim 10 (original): The system of claim 9 wherein the radio frequency is within the 2.4 gigahertz band.

Claim 11 (original): The system of claim 9 wherein the radio frequency is within the 2.45 gigahertz band.

Claim 12 (original): The system of claim 9 wherein the radio frequency is within the 5 gigahertz band.

Claim 13 (original): The system of claim 1 wherein the message indicator is an audible alarm.

Claim 14 (original): The system of claim 1 wherein the message indicator is a visual display.

Claim 15 (original): The system of claim 13 wherein the audible alarm produces an audible sound in response to the time-out output.

Claim 16 (original): The system of claim 14 wherein an icon responsive to the time-out output is provided on the visual display.

Claim 17 (original): The system of claim 14 wherein a pop-up window is provided on the visual display in response to the time-out output.

Claim 18 (previously presented): A method for reporting on integrity of a wireless communication link within a healthcare facility comprising the steps of:

generating a status information output responsive to a signal output generated by a medication treatment application device;

operating a message indicator in response to the status information output transmitted over a wireless communication link and representative of the signal generated by the medication treatment application device; and

installing software on a wireless remote device that is configured to report upon the integrity of the wireless communication link by: (i) sending a signal to the wireless communication link, (ii) waiting a predetermined amount of time for a response to the signal sent to the wireless communication link, and (iii) generating a time-out output that indicates loss of the wireless communication link when the response is not received within the predetermined amount of time.

Claim 19 (original): The method of claim 18 further comprising the step of passing at least some data within the status information output through a module associated with the medication treatment application device.

Claim 20 (original): The method of claim 18 further comprising the step of administering an infusion to a patient with the medication treatment application device.

Claim 21 (original): The method of claim 18 further comprising the step of including data related to an alarm condition within the signal output generated by the medication treatment device.

Claim 22 (original): The method of claim 18 further comprising the step of including data related to an alert condition within the signal output generated by the medication treatment device.

Claim 23 (original): The method of claim 18 further comprising the step of including data related to an infusion volume rate within the signal output generated by the medication treatment device.

Claim 24 (original): The method of claim 18 further comprising the step of including data related to time remaining before an infusion bag is emptied within the signal output generated by the medication treatment device.

Claim 25 (original): The method of claim 18 further comprising the step of operating the wireless communication link within a radio frequency.

Claim 26 (original): The method of claim 18 further comprising the step of operating the wireless communication link within a radio frequency band of 2.4 gigahertz.

Claim 27 (original): The method of claim 18 further comprising the step of operating the wireless communication link within a radio frequency band of 2.45 gigahertz.

Claim 28 (original): The method of claim 18 further comprising the step of operating the wireless communication link within a radio frequency band of 5 gigahertz.

Claim 29 (original): The method of claim 18 further comprising the step of generating an audible sound in response to the time-out output.

Claim 30 (previously presented): The method of claim 18 further comprising the step of generating a notification on a wireless remote device in response to the time-out output.

Claim 31 (previously presented): The method of claim 18 further comprising the step of modifying an icon on a visual display of the wireless remote device in response to the time-out output.

Claim 32 (previously presented): The method of claim 18 further comprising the step of generating a pop-up window on a visual display of the wireless remote device in response to the time-out output.

Claim 33 (previously presented): A method for reporting on integrity of a wireless communication link within a healthcare facility comprising the steps of:

providing for generating a status information output responsive to a signal output generated by a medication treatment application device;

providing for operating a message indicator in response to the status information output transmitted over a wireless communication link and representative of the signal generated by the medication treatment application device; and

installing software on a wireless remote device that is configured to report upon the integrity of the wireless communication link by: (i) sending a signal to the wireless communication link (ii) waiting a predetermined amount of time for a response to the signal sent to the wireless communication link, and (iii) generating a time-out output that indicates loss of the wireless communication link when the response is not received within the predetermined amount of time.

Claim 34 (original): The method of claim 33 further comprising the step of providing for passing at least some data within the status information output through a module associated with the medication treatment application device.

Claim 35 (original): The method of claim 33 further comprising the step of providing for administering an infusion to a patient with the medication treatment application device.

Claim 36 (original): The method of claim 33 further comprising the step of providing for including data related to an alarm condition within the signal output generated by the medication treatment device.

Claim 37 (original): The method of claim 33 further comprising the step of providing for including data related to an alert condition within the signal output generated by the medication treatment device.

Claim 38 (original): The method of claim 33 further comprising the step of providing for including data related to an infusion volume rate within the signal output generated by the medication treatment device.

Claim 39 (original): The method of claim 33 further comprising the step of providing for including data related to time remaining before an infusion bag is emptied within the signal output generated by the medication treatment device.

Claim 40 (original): The method of claim 33 further comprising the step of providing for causing a personal digital assistant to generate an audible sound in response to the time-out output.

Claim 41 (previously presented): The method of claim 33 further comprising the step of providing for causing a personal digital assistant to generate a notification on a visual display of the wireless remote device in response to the time-out output.

Claim 42 (previously presented): The method of claim 33 further comprising the step of providing for causing an icon on a visual display of the wireless remote device in response to the time-out output.

Claim 43 (previously presented): The method of claim 33 further comprising the step of providing for causing a pop-up window to appear on a visual display of the wireless remote device in response to the time-out output.

Claim 44 (previously presented): A system for reporting on integrity of a wireless communication link within a healthcare facility comprising:

a wireless remote device within the healthcare facility having a visual display responsive to status information transmitted over a wireless communication link, the status information responsive to a signal output generated by an infusion pump; and

software installed on the wireless remote device, the software configured to report upon the integrity of the wireless communication link by:

- (i) sending a signal to the wireless communication link;
- (ii) waiting a predetermined amount of time for a response to the signal sent to the wireless communication link, and
- (iii) generating a time-out output that indicates loss of the wireless communication link when the response is not received within the predetermined amount of time, wherein the time-out output indicates loss of the wireless remote device to receive the status information transmitted

over the wireless communication link, and wherein an icon responsive to the time-out output is provided on the visual display.

Claim 45 (original): The system of claim 44 wherein the signal output generated by the infusion pump includes data related to an alarm condition.

Claim 46 (original): The system of claim 44 wherein the signal output generated by the infusion pump includes data related to an alert condition.

Claim 47 (original): The system of claim 44 wherein the signal output generated by the infusion pump includes data related to an infusion volume rate.

Claim 48 (original): The system of claim 44 wherein the signal output generated by the infusion pump device includes data related to time remaining before an infusion bag is emptied.

Claim 49 (original): The system of claim 44 wherein the wireless remote device is a personal digital assistant.

Claim 50 (original): The system of claim 44 wherein the wireless communication link operates within a radio frequency.

Claim 51 (original): The system of claim 50 wherein the radio frequency is within the 2.4 gigahertz band.

Claim 52 (original): The system of claim 50 wherein the radio frequency is within the 2.45 gigahertz band.

Claim 53 (original): The system of claim 50 wherein the radio frequency is within the 5 gigahertz band.

Claims 54 to 57 (canceled).

Claim 58 (previously presented): The system of claim 44 wherein a pop-up window is provided on the visual display in response to the time-out output.